

**From:** [Luthans, William](#)  
**To:** [Leos, Valmichael](#)  
**Subject:** FW: SJWP Dive Plan  
**Date:** Wednesday, October 07, 2015 11:32:51 AM

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This e-mail stream may help you catch up.

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**From:** Miller, Garyg  
**Sent:** Monday, October 05, 2015 1:14 PM  
**To:** Luthans, William; Foster, Anne  
**Cc:** Todd, Brandi; Humphrey, Alan; Sanchez, Carlos  
**Subject:** RE: SJWP Dive Plan

Yes, proceeding with the survey & checking on the sampler placement/retrieval procedures is a good approach. FYI, the PRPs are still preparing the sampling workplan with the only change is that there will not be any passive pore-water samplers placed in the sediment, only in the armor cap. Please let me know some possible dates that will work for the dive team & I will coordinate with the PRPs.

I don't have any information on the copyright issue – Anne, can you shed any light on that?

And yes, I hope that the visual and sonar surveys will help answer the question and provide documentation regarding the underwater condition of the cap; however that is dependent on the visibility & the resolution achievable for the sonar.

Regarding the length of the passive sampler, it will only be required to be as long as the cap thickness, or 18", not the full length of the samplers sent by Texas Tech. There were no reports of any significant problems with either placing or retrieving the passive samplers when it was done before, nor were any samplers lost. Regarding placing two samplers instead of one, it seems that a single sampler would result in less disturbance of the cap.

One final thought, the PRPs contractor for the sampler placement was Benchmark (they are in Houston) and the PRPs have agreed to make them available during the sampling event & during the earlier operation to answer any questions.

Regards,

Gary Miller  
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**From:** Luthans, William  
**Sent:** Friday, October 02, 2015 9:48 AM  
**To:** Miller, Garyg  
**Cc:** Todd, Brandi; Humphrey, Alan



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**Subject:** SJWP Dive Plan

Gary, I mentioned that I think it would be useful, while the RP is preparing a site sampling plan for the SJWP, for the dive team to perform an operation to fulfill two goals:

1. Conduct physical/observation survey of cap integrity.
2. Refine methodology of sampler placement/retrieval prior to full operation.

First, I'd like to confirm with you that this makes sense to you. We'd like to try to do it before Thanksgiving. Then, I'd like to follow up with you on some questions. One question I have to start is whether you see any issues with me using maps developed by Anchor Sea Integral in our dive plan (i.e. any copyright issues, etc.). I'd like to confirm that our physical/observational survey of cap integrity answers the questions that you and the public will have. Basically I envision a combination of surveying with side-scan sonar and hands on the cap by diver with GPS and depth measurements and photography (if visibility allows).

With respect to the placement of sampling devices, I am somewhat surprised by the overall length of the devices and would like to know whether there were any retrieval problems the last time they were used (e.g. pulled or knocked out by fishermen, vandals, etc.) and to seek confirmation that they are still thinking that the same type of data these devices gather will be most useful for further investigations into the future (i.e. did the gradient measurements every 5 cm yield useful data). I wonder if the same objective could be achieved by simply stacking two much shorter sampling devices in the bore of the armor – leaving nothing above the surface except where it might be desired.

Please let me know when you have a good time to discuss. Thanks.